FROM DIVISION OF STATE AND PRIVATE FORESTRY
REGION 8, ATLANTA

FOREST FIRE STATISTICS

.... Calendar Year -1948

This is a compilation of forest fire statistics covering the Calendar Year 1948 as reported to the United States Forest Service by its field offices, cooperating States, and the Department of the Interior, Soil Conservation Service and Tennessee Valley Authority.

The figures are shown separately by the individual States reporting and totals are also given for certain geographical groups of States. The tabulation is prepared in the following sections:

SUMMARY OF FOREST FIRE STATISTICS FOR 1948
Giving areas needing protection; areas protected and unprotected; number of fires, area burned, and estimated damage to both protected and unprotected forest lands (Pages 1 to 4).

NUMBER OF FOREST FIRES BY CAUSE AND SIZE
For protected areas only (Pages 5 to 8).

AREAS BURNED AND ESTIMATED DAMAGE
For protected areas only (Pages 9 to 12).

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The statistics shown are as complete as could be compiled from reports submitted by State and Federal protection agencies but no claim is made as to their completeness or accuracy.

Since no field organizations are established in unprotected areas to report fires, the statistics on such unprotected areas are merely the best estimates by the States. They are likewise incomplete as no estimates could be obtained for Arizona, Nebraska, North Dakota and Wyoming.

The estimates on fire damage should be used with caution. They admittedly are low because they fail to include the full and complete tangible and direct damage to timber and improvements as well as the vast amount of intangible and indirect losses resulting from forest fires, such as those caused by decay of fire damaged timber, replacement of desirable tree species by less valuable ones, soil deterioration and erosion, uncertain streamflow, destruction of game, interruption of tourist use and travel, and the like.

Prepared by
Division of Cooperative Forest Protection - Forest Service
U. S. Department of Agriculture - Washington, D.C.

SUMMARY OF FOREST FIRE STATISTICS FOR THE UNITED STATES -- CALENDAR YEAR 1948

FOR PROTECTED AND UNPROTECTED AREAS, BY STATES AND GROUPS OF STATES

(Group totals are indicated following the individual States of the group)

GROUP AND STATE	PERIOD and OWNERSHIP	FOREST AREA 1/			NUMBER OF FIRES					AREA BURNED					BURNED PORTION OF AREA		DAMAGES				
		Needing Protection	Protected	Unprotected	TOTAL	On Protected Area		On Unprotected Area		TOTAL	On Protected Area		On Unprotected Area		Protected	Unprotected	TOTAL	On Protected Area		On Unprotected Area	
		M Acres	M Acres	M Acres	Number	Number	%	Number	%	Acres	Acres	%	Acres	%	%	%	Dollars	Dollars	%	Dollars	%
UNITED STATES (Exclusive of Alaska)	1948 Federal 2/	217,728	217,724	4	5,681	5,681	100	--	--	312,173	312,173	100	--	--	.14	--	2,633,153	2,633,153	100	--	--
	State & Private	438,994	339,463	99,531	167,508	61,095	36	106,413	64	16,244,607	1,951,644	12	14,292,963	88	.58	14.36	29,828,551	6,126,888	21	23,701,763	79
	TOTAL	656,722	557,187	99,535	174,189	67,776	39	106,413	61	16,556,780	2,273,817	14	14,292,963	86	.41	14.38	32,461,804	8,760,041	27	23,701,763	73
ALASKA	1948 Federal	161,888	30,368	131,460	114	114	100	Data Incomplete		33,731	33,731	100	Data Incomplete		.11	--	Data Incomplete				
	Private	Data Incomplete																			
	TOTAL	161,888	30,368	131,460	114	114	100	Data Incomplete		33,731	33,731	100	Data Incomplete		.11	--	Data Incomplete				
ROCKY MOUNTAIN GROUP																					
ARIZONA	1948 Federal	20,415	20,415	--	1,419	1,419	100	--	--	40,090	40,090	100	--	--	.20	--	154,946	154,946	100	--	--
	State & Private	Data Incomplete																			
	TOTAL	20,415	20,415	--	1,419	1,419	100	--	--	40,090	40,090	100	--	--	.20	--	154,946	154,946	100	--	--
COLORADO	1948 Federal	17,585	17,585	--	219	219	100	--	--	1,781	1,781	100	--	--	.01	--	5,861	5,861	100	--	--
	State & Private	7,475	5,624	851	248	246	99	2	1	4,832	4,752	99	70	1	.07	.01	30,419	30,174	99	245	1
	TOTAL	25,060	24,209	851	467	465	100	2	--	6,613	6,543	99	70	1	.03	.01	36,280	36,035	99	245	1
IDAHO	1948 Federal	22,821	22,821	--	362	362	100	--	--	39,517	39,517	100	--	--	.17	--	99,464	99,464	100	--	--
	State & Private	7,122	5,170	1,952	313	243	78	70	22	54,193	33,730	62	20,463	38	.65	1.05	170,385	105,774	62	64,611	38
	TOTAL	29,943	27,991	1,952	675	605	90	70	10	93,710	73,247	78	20,463	22	.26	1.05	269,849	205,238	76	64,611	24
MONTANA	1948 Federal	17,858	17,858	--	163	163	100	--	--	3,851	3,851	100	--	--	.02	--	529,643	529,643	100	--	--
	State & Private	5,162	5,162	--	126	126	100	--	--	255	256	100	--	--	.00	--	2,032	2,032	100	--	--
	TOTAL	24,020	24,020	--	289	289	100	--	--	4,106	4,106	100	--	--	.02	--	531,675	531,675	100	--	--
NEBRASKA	1948 Federal	227	227	--	3	3	100	--	--	1	1	100	--	--	.00	--	60	60	100	--	--
	State & Private	Data Incomplete																			
	TOTAL	227	227	--	3	3	100	--	--	1	1	100	--	--	.00	--	60	60	100	--	--
NEVADA	1948 Federal	10,429	10,429	--	43	43	100	--	--	21,847	21,847	100	--	--	.21	--	47,064	47,064	100	--	--
	State & Private	2,801	1,530	1,271	81	61	76	20	25	9,669	4,669	48	5,000	52	.51	.39	13,000	7,000	54	6,000	46
	TOTAL	13,230	11,959	1,271	124	104	84	20	16	31,516	26,515	84	5,000	16	.22	.39	60,064	54,064	90	6,000	10
NEW MEXICO	1948 Federal	15,659	15,659	--	452	452	100	--	--	3,325	3,325	100	--	--	.02	--	35,791	35,791	100	--	--
	State & Private	3,977	1,056	2,921	51	47	92	4	8	221	215	98	6	2	.02	.00	275	274	99	1	1
	TOTAL	19,636	16,715	2,921	503	499	99	4	1	3,546	3,541	100	5	--	.02	.00	36,065	36,065	100	4	--
SOUTH DAKOTA	1948 Federal	1,423	1,423	--	72	72	100	--	--	521	521	100	--	--	.04	--	3,842	3,842	100	--	--
	State & Private	500	500	--	71	71	100	--	--	321	321	100	--	--	.06	--	5,957	5,957	100	--	--
	TOTAL	1,923	1,923	--	143	143	100	--	--	842	842	100	--	--	.05	--	9,799	9,799	100	--	--
UTAH	1948 Federal	17,007	17,007	--	132	132	100	--	--	6,583	6,583	100	--	--	.04	--	21,359	21,359	100	--	--
	State & Private	5,966	4,595	1,370	192	169	88	23	12	42,849	26,849	63	16,000	37	.58	1.17	85,423	58,423	68	27,000	32
	TOTAL	22,973	21,603	1,370	324	301	93	23	7	49,432	33,432	68	16,000	32	.15	1.17	106,782	79,782	75	27,000	25
WYOMING	1948 Federal	11,371	11,371	--	192	192	100	--	--	3,466	3,466	100	--	--	.05	--	727,570	727,570	100	--	--
	State & Private	1,808	41	1,767	Data Incomplete																
	TOTAL	13,179	11,412	1,767	192	192	100	--	--	3,466	3,466	100	--	--	.03	--	727,570	727,570	100	--	--
GROUP TOTAL	1948 Federal	134,793	134,793	--	3,087	3,087	100	--	--	121,082	121,082	100	--	--	.09	--	1,625,000	1,625,000	100	--	--
	State & Private	35,811	25,679	10,132	1,082	963	89	119	11	112,340	70,802	63	41,538	37	.28	.41	307,494	209,634	68	97,860	32
	TOTAL	170,606	160,474	10,132	4,169	4,050	97	119	3	233,422	191,884	82	41,538	18	.12	.41	1,932,494	1,834,634	95	97,860	5

1/ Includes 16,380,000 acres State and privately owned non-timbered watersheds.

2/ 1948 increases in "Federal" acreage due to resurveys and readjustments in Department of Interior forest acreages.

PACIFIC GROUP																						
CALIFORNIA	1948	Federal	23,689	23,689	--	592	592	100	--	--	87,787	87,787	100	--	--	.37	--	812,380	812,380	100	--	--
		State & Private	19,698	19,698	--	2,134	2,134	100	--	--	124,206	124,206	100	--	--	.63	--	1,121,823	1,121,823	100	--	--
		TOTAL	43,387	43,387	--	2,726	2,726	100	--	--	211,993	211,993	100	--	--	.49	--	1,934,203	1,934,203	100	--	--
HAWAII	1948	Federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		State & Private	2,504	2,504	--	1	1	100	--	--	2	2	100	--	--	.00	--	50	50	100	--	--
		TOTAL	2,504	2,504	--	1	1	100	--	--	2	2	100	--	--	.00	--	50	50	100	--	--
OREGON	1948	Federal	20,730	20,730	--	482	482	100	--	--	944	944	100	--	--	.00	--	8,312	8,312	100	--	--
		State & Private	12,446	12,446	--	505	505	100	--	--	3,037	3,037	100	--	--	.02	--	69,255	69,255	100	--	--
		TOTAL	33,176	33,176	--	987	987	100	--	--	3,981	3,981	100	--	--	.01	--	77,567	77,567	100	--	--
WASHINGTON	1948	Federal	12,709	12,709	--	151	151	100	--	--	136	136	100	--	--	.00	--	634	634	100	--	--
		State & Private	12,874	12,874	--	512	512	100	--	--	6,214	6,214	100	--	--	.05	--	200,032	200,032	100	--	--
		TOTAL	25,583	25,583	--	663	663	100	--	--	6,350	6,350	100	--	--	.02	--	200,666	200,666	100	--	--
GROUP TOTAL	1948	Federal	57,128	57,128	--	1,225	1,225	100	--	--	88,867	88,867	100	--	--	.16	--	821,326	821,326	100	--	--
		State & Private	47,522	47,522	--	3,152	3,152	100	--	--	133,459	133,459	100	--	--	.28	--	1,391,160	1,391,160	100	--	--
		TOTAL	104,650	104,650	--	4,377	4,377	100	--	--	222,326	222,326	100	--	--	.21	--	2,212,486	2,212,486	100	--	--
EASTERN GROUP																						
CONNECTICUT	1948	Federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		State & Private	1,907	1,907	--	531	531	100	--	--	1,335	1,335	100	--	--	.07	--	6,449	6,449	100	--	--
		TOTAL	1,907	1,907	--	531	531	100	--	--	1,335	1,335	100	--	--	.07	--	6,449	6,449	100	--	--
DELAWARE	1948	Federal	1	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		State & Private	440	440	--	58	58	100	--	--	332	332	100	--	--	.08	--	2,721	2,721	100	--	--
		TOTAL	441	441	--	58	58	100	--	--	332	332	100	--	--	.08	--	2,721	2,721	100	--	--
KENTUCKY	1948	Federal	545	545	--	58	58	100	--	--	2,164	2,164	100	--	--	.40	--	2,398	2,398	100	--	--
		State & Private	11,258	3,714	7,544	4,043	784	19	3,259	81	286,469	25,749	9	260,720	91	.69	3.46	502,096	40,622	8	461,474	92
		TOTAL	11,803	4,259	7,544	4,101	842	21	3,259	79	288,633	27,913	10	260,720	90	.66	3.46	504,494	43,020	9	461,474	91
MAINE	1948	Federal	95	95	--	3	3	100	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		State & Private	16,683	16,683	--	814	814	100	--	--	7,240	7,240	100	--	--	.04	--	135,435	135,435	100	--	--
		TOTAL	16,778	16,778	--	817	817	100	--	--	7,240	7,240	100	--	--	.04	--	135,435	135,435	100	--	--
MARYLAND	1948	Federal	1	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		State & Private	2,685	2,685	--	281	281	100	--	--	872	872	100	--	--	.03	--	4,849	4,849	100	--	--
		TOTAL	2,686	2,686	--	281	281	100	--	--	872	872	100	--	--	.03	--	4,849	4,849	100	--	--
MASSACHUSETTS	1948	Federal	3	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		State & Private	3,286	3,286	--	1,473	1,473	100	--	--	3,390	3,390	100	--	--	.10	--	27,920	27,920	100	--	--
		TOTAL	3,289	3,289	--	1,473	1,473	100	--	--	3,390	3,390	100	--	--	.10	--	27,920	27,920	100	--	--
NEW HAMPSHIRE	1948	Federal	670	670	--	5	5	100	--	--	1	1	100	--	--	.00	--	--	--	--	--	--
		State & Private	4,143	4,143	--	501	501	100	--	--	2,660	2,660	100	--	--	.06	--	22,844	22,844	100	--	--
		TOTAL	4,813	4,813	--	506	506	100	--	--	2,661	2,661	100	--	--	.06	--	22,844	22,844	100	--	--
NEW JERSEY	1948	Federal	1	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		State & Private	2,294	2,294	--	908	908	100	--	--	7,274	7,274	100	--	--	.32	--	66,870	66,870	100	--	--
		TOTAL	2,295	2,295	--	908	908	100	--	--	7,274	7,274	100	--	--	.32	--	66,870	66,870	100	--	--
NEW YORK	1948	Federal	7	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		State & Private	13,423	13,423	--	1,308	1,308	100	--	--	13,313	13,313	100	--	--	.10	--	65,966	65,966	100	--	--
		TOTAL	13,430	13,430	--	1,308	1,308	100	--	--	13,313	13,313	100	--	--	.10	--	65,966	65,966	100	--	--
PENNSYLVANIA	1948	Federal	476	476	--	11	11	100	--	--	198	198	100	--	--	.04	--	851	851	100	--	--
		State & Private	14,644	14,644	--	842	842	100	--	--	12,706	12,706	100	--	--	.09	--	41,303	41,303	100	--	--
		TOTAL	15,120	15,120	--	853	853	100	--	--	12,904	12,904	100	--	--	.09	--	42,154	42,154	100	--	--
RHODE ISLAND	1948	Federal	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		State & Private	432	432	--	209	209	100	--	--	976	976	100	--	--	.22	--	4,601	4,601	100	--	--
		TOTAL	432	432	--	209	209	100	--	--	976	976	100	--	--	.22	--	4,601	4,601	100	--	--
VERMONT	1948	Federal	208	208	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		State & Private	3,658	3,658	--	223	223	100	--	--	765	765	100	--	--	.02	--	6,917	6,917	100	--	--
		TOTAL	3,866	3,866	--	223	223	100	--	--	765	765	100	--	--	.02	--	6,917	6,917	100	--	--

GROUP AND STATE	PERIOD and OWNERSHIP	FOREST AREA			NUMBER OF FIRES					AREA BURNED					BURNED PORTION OF AREA		DAMAGES				
		Needing Protection	Protected	Unprotected	TOTAL	On Protected Area		On Unprotected Area		TOTAL	On Protected Area		On Unprotected Area		Protected	Unprotected	TOTAL	On Protected Area		On Unprotected Area	
		M Acres	M Acres	M Acres	Number	Number	%	Number	%	Acres	Acres	%	Acres	%	%	%	Dollars	Dollars	%	Dollars	%
EASTERN GROUP (Continued)																					
VIRGINIA	1948 Federal	1,659	1,659	--	22	22	100	--	--	402	402	100	--	--	.02	--	1,340	1,340	100	--	--
	State & Private	13,036	13,036	--	1,006	1,006	100	--	--	7,783	7,783	100	--	--	.06	--	51,576	51,576	100	--	--
	TOTAL	14,695	14,695	--	1,028	1,028	100	--	--	8,185	8,185	100	--	--	.06	--	52,916	52,916	100	--	--
WEST VIRGINIA	1948 Federal	910	910	--	7	7	100	--	--	138	138	100	--	--	.02	--	308	308	100	--	--
	State & Private	9,050	9,050	--	1,142	1,142	100	--	--	29,279	29,279	100	--	--	.32	--	145,058	145,058	100	--	--
	TOTAL	9,960	9,960	--	1,149	1,149	100	--	--	29,417	29,417	100	--	--	.30	--	145,366	145,366	100	--	--
GROUP TOTAL	1948 Federal	4,576	4,576	--	106	106	100	--	--	2,905	2,905	100	--	--	.06	--	4,877	4,877	100	--	--
	State & Private	96,959	89,415	7,544	15,539	10,080	76	3,259	24	374,594	115,674	30	260,720	70	.13	3.46	1,062,005	600,531	57	461,474	43
	TOTAL	101,555	93,991	7,544	13,445	10,186	76	3,259	24	377,297	116,577	31	260,720	69	.12	3.46	1,066,882	605,408	57	461,474	43
SOUTHERN GROUP																					
ALABAMA	1948 Federal	720	720	--	141	141	100	--	--	2,047	2,047	100	--	--	.28	--	3,342	3,342	100	--	--
	State & Private	18,045	16,836	1,209	9,920	5,561	56	4,359	44	487,066	205,259	42	283,807	58	1.21	23.47	699,408	315,241	45	386,167	55
	TOTAL	18,765	17,556	1,209	10,061	5,702	57	4,359	43	489,113	205,306	42	283,807	58	1.17	23.47	702,750	316,583	45	386,167	55
ARKANSAS	1948 Federal	2,475	2,475	--	152	152	100	--	--	3,493	3,493	100	--	--	.14	--	4,648	4,648	100	--	--
	State & Private	18,348	11,877	6,471	13,345	4,043	30	9,300	70	431,953	59,953	14	372,000	86	.50	5.75	512,816	140,816	27	372,000	73
	TOTAL	20,823	14,352	6,471	13,495	4,195	31	9,300	69	435,446	63,446	15	372,000	85	.44	5.75	517,464	145,464	28	372,000	72
FLORIDA	1948 Federal	1,518	1,318	--	115	115	100	--	--	3,404	3,404	100	--	--	.26	--	4,435	4,435	100	--	--
	State & Private	21,553	7,730	13,823	24,979	3,689	15	21,290	85	2,412,545	107,645	4	2,304,900	96	1.59	16.67	1,748,614	88,664	5	1,659,950	95
	TOTAL	22,871	9,048	13,823	25,094	3,804	15	21,290	85	2,415,949	111,049	5	2,304,900	95	1.25	16.67	1,753,049	93,099	5	1,659,950	95
GEORGIA	1948 Federal	1,033	1,029	4	56	56	100	--	--	2,757	2,757	100	--	--	.27	--	8,478	8,478	100	--	--
	State & Private	21,705	8,825	12,880	9,563	2,449	26	7,114	74	1,256,081	60,581	5	1,195,500	95	.69	9.28	2,822,596	133,596	5	2,689,000	95
	TOTAL	22,738	9,854	12,884	9,619	2,505	26	7,114	74	1,258,838	63,358	5	1,195,500	95	.64	9.28	2,851,074	142,074	5	2,689,000	95
LOUISIANA	1948 Federal	587	587	--	142	142	100	--	--	2,939	2,939	100	--	--	.50	--	2,690	2,690	100	--	--
	State & Private	14,055	7,755	6,300	6,498	4,998	77	1,500	23	741,970	141,970	19	600,000	81	1.83	9.52	280,074	205,074	73	75,000	27
	TOTAL	14,642	8,342	6,500	6,640	5,140	77	1,500	23	744,909	144,909	19	600,000	81	1.74	9.52	282,764	207,764	73	75,000	27
MISSISSIPPI	1948 Federal	1,136	1,136	--	407	407	100	--	--	9,221	9,221	100	--	--	.80	--	22,479	22,479	100	--	--
	State & Private	16,449	8,461	7,988	37,513	5,270	14	32,243	86	2,000,316	130,199	7	1,870,119	93	1.54	23.41	4,473,066	290,264	6	4,182,802	94
	TOTAL	17,585	9,617	7,988	37,920	5,677	15	32,243	85	2,009,539	139,420	7	1,870,119	93	1.45	23.41	4,495,545	312,745	7	4,182,802	93
NORTH CAROLINA	1948 Federal	1,474	1,474	--	94	94	100	--	--	1,940	1,940	100	--	--	.13	--	4,542	4,542	100	--	--
	State & Private	16,978	14,521	2,457	2,244	2,115	94	129	6	149,274	124,895	97	4,379	3	.86	.18	176,835	161,825	92	15,010	8
	TOTAL	18,452	15,995	2,457	2,338	2,209	94	129	6	151,214	126,835	97	4,379	3	.79	.18	181,377	166,367	92	15,010	8
OKLAHOMA	1948 Federal	402	402	--	74	74	100	--	--	5,656	5,656	100	--	--	.91	--	6,099	6,099	100	--	--
	State & Private	9,799	2,197	7,602	10,729	729	7	10,000	93	3,034,785	34,785	1	3,000,000	99	1.58	39.46	4,629,747	129,747	3	4,500,000	97
	TOTAL	10,201	2,599	7,602	10,803	803	7	10,000	93	3,038,441	38,441	1	3,000,000	99	1.48	39.46	4,635,846	135,846	3	4,500,000	97
SOUTH CAROLINA	1948 Federal	629	629	--	47	47	100	--	--	882	882	100	--	--	.14	--	844	844	100	--	--
	State & Private	10,776	10,776	--	5,525	3,525	100	--	--	53,599	53,599	100	--	--	.50	--	144,009	144,009	100	--	--
	TOTAL	11,405	11,405	--	5,572	5,572	100	--	--	54,481	54,481	100	--	--	.48	--	144,853	144,853	100	--	--
TENNESSEE	1948 Federal	985	985	--	165	165	100	--	--	1,889	1,889	100	--	--	.19	--	5,121	5,121	100	--	--
	State & Private	11,994	4,357	7,637	4,497	1,897	42	2,600	58	501,065	51,065	10	450,000	90	1.17	5.89	1,122,784	110,284	10	1,012,500	90
	TOTAL	12,977	5,340	7,637	4,662	2,062	44	2,600	56	502,954	52,954	11	450,000	89	.99	5.89	1,127,905	115,405	10	1,012,500	90
TEXAS	1948 Federal	736	736	--	292	292	100	--	--	4,010	4,010	100	--	--	.54	--	28,150	28,150	100	--	--
	State & Private	14,051	9,138	4,913	15,352	5,352	25	10,000	75	5,392,566	592,566	12	5,000,000	88	4.50	61.06	7,382,486	1,382,486	19	6,000,000	81
	TOTAL	14,787	9,874	4,913	15,644	5,644	27	10,000	73	5,396,576	596,576	12	5,000,000	88	4.02	61.06	7,410,616	1,410,616	19	6,000,000	81
GROUP TOTAL	1948 Federal	11,515	11,509	4	1,685	1,685	100	--	--	36,238	36,238	100	--	--	.31	--	90,808	90,808	100	--	--
	State & Private	173,755	102,473	71,280	136,165	37,628	28	98,535	72	14,441,222	1,360,517	9	13,080,705	91	1.33	18.55	25,992,435	5,100,006	15	20,892,429	87
	TOTAL	185,266	113,982	71,284	137,848	39,313	29	98,535	71	14,477,460	1,396,755	10	13,080,705	90	1.25	18.35	26,083,243	5,190,814	13	20,892,429	87

NORTH CENTRAL GROUP																					
ILLINOIS	1948	Federal	238	238	--	42	42	100	--	--	1,252	1,232	100	--	--	.53	--	1,537	1,537	100	--	--
		State & Private	4,085	4,085	--	304	304	100	--	--	11,255	11,255	100	--	--	.28	--	26,589	26,589	100	--	--
		TOTAL	4,323	4,323	--	346	346	100	--	--	12,507	12,507	100	--	--	.29	--	28,126	28,126	100	--	--
INDIANA	1948	Federal	98	98	--	2	2	100	--	--	50	50	100	--	--	.05	--	57	57	100	--	--
		State & Private	3,862	3,862	--	518	318	100	--	--	11,962	11,962	100	--	--	.31	--	62,028	62,028	100	--	--
		TOTAL	3,960	3,960	--	520	520	100	--	--	12,012	12,012	100	--	--	.30	--	62,085	62,085	100	--	--
IOWA	1948	Federal	5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		State & Private	2,256	2,256	--	51	51	100	--	--	672	672	100	--	--	.03	--	1,344	1,344	100	--	--
		TOTAL	2,261	2,261	--	51	51	100	--	--	672	672	100	--	--	.03	--	1,344	1,344	100	--	--
MICHIGAN	1948	Federal	2,568	2,368	--	73	73	100	--	--	2,078	2,078	100	--	--	.08	--	14,826	14,826	100	--	--
		State & Private	17,808	17,808	--	2,021	2,021	100	--	--	15,993	15,993	100	--	--	.09	--	103,644	103,644	100	--	--
		TOTAL	20,376	20,376	--	2,094	2,094	100	--	--	18,071	18,071	100	--	--	.09	--	118,470	118,470	100	--	--
MINNESOTA	1948	Federal	3,444	3,444	--	80	80	100	--	--	51,315	51,515	100	--	--	1.50	--	56,990	56,990	100	--	--
		State & Private	19,665	19,663	--	1,559	1,339	100	--	--	113,070	113,070	100	--	--	.57	--	226,676	226,676	100	--	--
		TOTAL	23,109	23,109	--	1,639	1,639	100	--	--	164,585	164,585	100	--	--	.71	--	283,666	283,666	100	--	--
MISSOURI	1948	Federal	1,349	1,349	--	298	298	100	--	--	3,540	3,540	100	--	--	.41	--	14,538	14,538	100	--	--
		State & Private	15,664	3,089	10,375	6,929	2,429	35	4,500	65	999,276	99,276	10	900,000	90	1.93	8.51	2,543,573	293,573	12	2,250,000	88
		TOTAL	17,013	6,438	10,575	7,227	2,727	38	4,500	62	1,004,816	104,816	10	900,000	90	1.63	8.51	2,558,111	308,111	12	2,250,000	88
NORTH DAKOTA	1948	Federal	41	41	--	1	1	100	--	--	1	1	100	--	--	.00	--	--	--	--	--	--
		State & Private	Data Incomplete																			
		TOTAL	41	41	--	1	1	100	--	--	1	1	100	--	--	.00	--	--	--	--	--	--
OHIO	1948	Federal	93	93	--	10	10	100	--	--	26	26	100	--	--	.03	--	--	--	--	--	--
		State & Private	3,494	5,494	--	513	513	100	--	--	7,115	7,113	100	--	--	.13	--	16,279	16,279	100	--	--
		TOTAL	3,587	5,587	--	523	523	100	--	--	7,141	7,141	100	--	--	.13	--	16,279	16,279	100	--	--
WISCONSIN	1948	Federal	1,880	1,880	--	102	102	100	--	--	2,621	2,621	100	--	--	.14	--	3,194	3,194	100	--	--
		State & Private	16,113	16,113	--	1,877	1,877	100	--	--	23,849	23,849	100	--	--	.15	--	93,424	93,424	100	--	--
		TOTAL	17,995	17,993	--	1,979	1,979	100	--	--	26,470	26,470	100	--	--	.13	--	98,618	98,618	100	--	--
GROUP TOTAL	1948	Federal	9,716	9,716	--	608	608	100	--	--	63,083	63,083	100	--	--	.63	--	91,142	91,142	100	--	--
		State & Private	84,949	74,374	10,573	13,772	9,272	67	4,500	33	1,183,192	283,192	24	900,000	76	.38	8.51	3,073,537	825,537	27	2,250,000	73
		TOTAL	94,665	84,090	10,575	14,380	9,880	69	4,500	31	1,246,273	346,273	28	900,000	72	.41	8.51	3,166,699	916,699	29	2,250,000	71

NUMBER OF FOREST FIRES IN THE UNITED STATES BY CAUSE AND SIZE - CALENDAR YEAR 1948

PROTECTED AREAS ONLY - BY STATES AND GROUPS OF STATES

GROUP AND STATE	PERIOD and OWNERSHIP	NUMBER OF FIRES - BY CAUSE									NUMBER OF FIRES - BY SIZE			
		Lightning	Railroads	Campers	Smokers	Debris Burning	Incendiary	Lumbering	Miscellaneous	TOTAL	Under 1/4 Acre	1/4 - 10 Acres	Over 10 Acres	TOTAL
UNITED STATES (Exclusive of Alaska)	1948 Federal	3,021	123	549	1,382	196	857	89	464	6,681	3,442	2,254	985	6,681
	State & Private	1,371	4,402	2,515	13,606	10,905	19,190	1,751	7,365	61,095	8,700	30,980	21,415	61,096
	TOTAL	4,392	4,525	3,064	14,988	11,101	20,047	1,840	7,819	67,776	12,142	33,234	22,400	67,776
ALASKA	1948 Federal	21	17	14	17	25	3	--	17	114	36	47	32	114
	Private	Data Incomplete												
	TOTAL	21	17	14	17	25	3	--	17	114	36	47	32	114
ROCKY MOUNTAIN GROUP														
ARIZONA	1948 Federal	1,116	12	81	133	10	1	12	65	1,419	930	380	109	1,419
	State & Private	Data Incomplete												
	TOTAL	1,116	12	81	133	10	1	12	65	1,419	930	380	109	1,419
COLORADO	1948 Federal	107	15	39	42	5	--	5	6	219	149	51	19	219
	State & Private	38	55	42	27	28	--	3	53	246	126	83	37	246
	TOTAL	145	70	81	69	33	--	8	59	465	275	134	56	465
IDAHO	1948 Federal	246	1	29	62	6	1	3	14	362	259	46	57	362
	State & Private	76	25	10	46	29	8	2	47	243	124	54	65	243
	TOTAL	322	26	39	108	35	9	5	61	605	383	100	122	606
MONTANA	1948 Federal	103	--	22	34	1	--	--	3	163	124	29	10	163
	State & Private	59	13	25	18	4	1	2	4	126	95	26	5	126
	TOTAL	162	13	47	52	5	1	2	7	289	219	55	15	289
NEBRASKA	1948 Federal	1	1	--	1	--	--	--	--	3	2	1	--	3
	State & Private	Data Incomplete												
	TOTAL	1	1	--	1	--	--	--	--	3	2	1	--	3
NEVADA	1948 Federal	20	2	6	5	4	2	--	4	43	16	5	23	43
	State & Private	2	21	4	17	6	--	--	11	61	16	39	6	61
	TOTAL	22	23	10	22	10	2	--	15	104	31	44	29	104
NEW MEXICO	1948 Federal	380	4	23	29	3	2	7	4	452	272	160	20	452
	State & Private	34	--	--	10	1	--	1	1	47	26	16	5	47
	TOTAL	414	4	23	39	4	2	8	5	499	298	176	25	499
SOUTH DAKOTA	1948 Federal	45	2	4	16	1	--	1	3	72	61	18	3	72
	State & Private	24	8	--	8	14	1	--	16	71	41	23	7	71
	TOTAL	69	10	4	24	15	1	1	19	143	92	41	10	143
UTAH	1948 Federal	58	--	29	31	1	4	1	8	132	87	29	16	132
	State & Private	17	24	11	28	34	2	--	53	169	32	57	80	169
	TOTAL	76	24	40	59	35	6	1	61	301	119	86	96	301
WYOMING	1948 Federal	103	--	41	32	6	2	1	7	192	147	30	16	192
	State & Private	Data Incomplete												
	TOTAL	103	--	41	32	6	2	1	7	192	147	30	16	192
GROUP TOTAL	1948 Federal	2,178	37	274	385	37	12	30	104	3,057	2,054	749	272	3,057
	State & Private	250	146	92	154	116	12	8	188	963	460	298	205	963
	TOTAL	2,428	183	366	539	153	24	38	289	4,020	2,496	1,047	477	4,020

PACIFIC GROUP														
CALIFORNIA	1948 Federal	150	14	76	220	22	34	21	55	592	390	144	58	592
	State & Private	111	80	76	651	427	224	77	488	2,134	1,122	721	291	2,134
	TOTAL	261	94	152	871	449	258	98	543	2,726	1,512	865	349	2,726
HAWAII	1948 Federal	—	--	—	—	--	—	—	--	--	--	—	--	—
	State & Private	—	—	—	1	—	—	—	—	1	--	1	—	1
	TOTAL	—	—	—	1	—	—	--	—	1	—	1	—	1
OREGON	1948 Federal	349	5	31	55	9	6	5	22	482	415	52	15	482
	State & Private	150	26	31	91	53	11	69	74	505	328	144	33	505
	TOTAL	499	31	62	146	62	17	74	96	987	743	196	48	987
WASHINGTON	1948 Federal	106	1	10	20	5	--	2	7	151	131	18	2	151
	State & Private	102	31	41	88	55	6	28	161	512	376	123	13	512
	TOTAL	208	32	51	108	60	6	30	168	663	507	141	15	663
GROUP TOTAL	1948 Federal	605	20	117	295	36	40	28	84	1,225	936	214	75	1,225
	State & Private	363	137	148	831	535	241	174	723	3,152	1,826	989	337	3,152
	TOTAL	968	157	265	1,126	571	281	202	807	4,377	2,762	1,203	412	4,377
EASTERN GROUP														
CONNECTICUT	1948 Federal	—	—	—	—	--	—	--	--	--	—	--	—	--
	State & Private	—	37	13	162	165	25	3	126	531	112	388	31	531
	TOTAL	--	37	13	162	165	25	3	126	531	112	388	31	531
DELAWARE	1948 Federal	—	—	—	--	—	—	--	--	—	--	—	—	--
	State & Private	—	33	--	3	15	—	1	6	58	6	47	5	58
	TOTAL	--	33	--	3	15	—	1	6	58	6	47	5	58
KENTUCKY	1948 Federal	1	2	8	15	9	13	1	9	58	2	34	22	58
	State & Private	--	24	95	187	210	93	15	160	784	8	273	503	784
	TOTAL	1	26	103	202	219	106	16	169	842	10	307	525	842
MAINE	1948 Federal	2	--	1	—	—	--	--	--	3	3	--	--	3
	State & Private	141	16	83	213	104	38	39	180	814	291	460	63	814
	TOTAL	143	16	84	213	104	38	39	180	817	294	460	63	817
MARYLAND	1948 Federal	--	--	--	--	--	--	--	—	--	—	--	—	--
	State & Private	--	56	4	108	69	18	1	25	281	71	194	16	281
	TOTAL	—	56	4	108	69	18	1	25	281	71	194	16	281
MASSACHUSETTS	1948 Federal	—	--	—	--	--	--	--	--	--	—	—	—	—
	State & Private	--	147	12	272	568	164	—	310	1,473	514	911	48	1,473
	TOTAL	—	147	12	272	568	164	--	310	1,473	514	911	48	1,473
NEW HAMPSHIRE	1948 Federal	3	—	2	--	--	--	--	--	5	4	1	—	5
	State & Private	43	59	20	165	109	19	12	74	501	228	244	29	501
	TOTAL	46	59	22	165	109	19	12	74	506	232	245	29	506
NEW JERSEY	1948 Federal	--	--	—	—	—	—	—	—	—	—	--	—	—
	State & Private	--	165	13	498	118	91	--	23	908	310	526	72	908
	TOTAL	--	165	13	498	118	91	—	23	908	310	526	72	908
NEW YORK	1948 Federal	—	—	—	—	—	—	--	--	—	--	—	—	—
	State & Private	29	127	223	481	285	29	--	134	1,308	511	745	252	1,308
	TOTAL	29	127	223	481	285	29	--	134	1,308	511	745	252	1,308
PENNSYLVANIA	1948 Federal	--	4	—	5	1	--	—	1	11	2	5	4	11
	State & Private	--	214	164	209	119	54	3	99	842	33	500	309	842
	TOTAL	--	218	164	214	120	54	3	100	853	35	506	313	853
RHODE ISLAND	1948 Federal	—	—	--	—	—	—	—	--	—	--	--	—	—
	State & Private	1	14	2	28	24	8	3	130	209	63	123	23	209
	TOTAL	1	14	2	28	24	8	2	130	209	63	123	23	209
VERMONT	1948 Federal	—	—	--	—	—	—	--	—	—	--	—	—	—
	State & Private	9	48	7	40	64	4	4	47	223	77	128	18	223
	TOTAL	9	48	7	40	64	4	4	47	223	77	128	18	223

GROUP AND STATE	PERIOD and OWNERSHIP	NUMBER OF FIRES - BY CAUSE									NUMBER OF FIRES - BY SIZE			
		Lightning	Railroads	Campers	Smokers	Debris Burning	Incendiary	Lumbering	Miscellaneous	TOTAL	Under 1/4 Acre	1/4 - 10 Acres	Over 10 Acres	TOTAL
EASTERN GROUP (Continued)														
VIRGINIA	1948 Federal	4	1	--	9	--	6	--	2	22	4	12	6	22
	State & Private	9	107	41	310	190	104	17	228	1,006	147	636	223	1,006
	TOTAL	13	108	41	319	190	110	17	230	1,028	151	648	229	1,028
WEST VIRGINIA	1948 Federal	--	3	--	1	--	2	--	1	7	--	4	3	7
	State & Private	3	121	45	386	158	220	13	196	1,142	139	526	477	1,142
	TOTAL	3	124	45	387	158	222	13	199	1,149	139	530	480	1,149
GROUP TOTAL	1948 Federal	10	10	11	30	10	21	1	13	106	18	56	36	106
	State & Private	236	1,168	720	3,062	2,198	847	110	1,740	10,080	2,310	5,701	2,069	10,080
	TOTAL	245	1,178	731	3,092	2,208	868	111	1,753	10,186	2,325	5,757	2,104	10,186
SOUTHERN GROUP														
ALABAMA	1948 Federal	15	3	13	53	4	32	1	18	141	15	75	51	141
	State & Private	34	325	174	1,275	933	2,038	181	605	5,561	100	2,635	2,826	5,561
	TOTAL	49	328	187	1,330	937	2,070	182	621	5,702	115	2,710	2,877	5,702
ARKANSAS	1948 Federal	69	1	2	24	11	17	3	25	152	53	63	36	152
	State & Private	35	101	79	1,472	407	1,492	180	277	4,043	593	2,399	1,051	4,043
	TOTAL	104	102	81	1,496	418	1,509	183	302	4,195	646	2,462	1,087	4,195
FLORIDA	1948 Federal	58	--	4	23	2	18	4	6	115	29	55	31	115
	State & Private	115	106	46	220	373	2,501	86	240	3,689	86	1,914	1,689	3,689
	TOTAL	173	106	50	243	377	2,519	90	246	3,804	115	1,969	1,720	3,804
GEORGIA	1948 Federal	2	2	3	23	3	12	1	10	56	9	24	23	56
	State & Private	19	237	54	291	519	720	78	531	2,449	122	1,290	1,037	2,449
	TOTAL	21	239	57	314	522	732	79	541	2,505	131	1,314	1,060	2,505
LOUISIANA	1948 Federal	3	4	3	25	2	91	--	14	142	5	82	55	142
	State & Private	10	69	70	586	593	3,159	221	290	4,998	191	2,694	2,113	4,998
	TOTAL	13	73	73	611	595	3,250	221	304	5,140	196	2,776	2,168	5,140
MISSISSIPPI	1948 Federal	9	4	11	99	8	245	9	22	407	53	255	99	407
	State & Private	21	99	55	534	815	2,934	137	675	5,270	70	2,637	2,563	5,270
	TOTAL	30	103	66	633	823	3,179	146	697	5,677	123	2,892	2,662	5,677
NORTH CAROLINA	1948 Federal	5	3	5	28	2	42	--	9	94	13	45	36	94
	State & Private	37	134	154	676	593	317	38	166	2,115	115	999	1,001	2,115
	TOTAL	42	137	159	704	595	359	38	175	2,209	128	1,044	1,037	2,209
OKLAHOMA	1948 Federal	11	2	11	26	4	11	--	9	74	16	20	38	74
	State & Private	10	6	33	89	29	542	3	17	729	40	387	302	729
	TOTAL	21	8	44	115	33	553	3	26	803	56	407	340	803
SOUTH CAROLINA	1948 Federal	2	3	1	13	1	25	--	2	47	4	27	16	47
	State & Private	30	293	95	1,108	647	978	80	294	3,525	238	2,265	1,022	3,525
	TOTAL	32	296	96	1,121	648	1,003	80	296	3,572	242	2,292	1,038	3,572
TENNESSEE	1948 Federal	8	10	33	40	37	28	--	9	165	11	108	46	165
	State & Private	3	103	362	252	435	572	85	85	1,897	87	1,078	732	1,897
	TOTAL	11	113	395	292	472	600	85	94	2,062	98	1,186	778	2,062
TEXAS	1948 Federal	4	2	20	125	11	91	--	39	292	63	161	68	292
	State & Private	4	49	96	997	408	1,217	274	307	3,352	313	1,064	1,975	3,352
	TOTAL	8	51	116	1,122	419	1,308	274	346	3,644	376	1,225	2,043	3,644
GROUP TOTAL	1948 Federal	184	34	106	481	85	612	18	163	1,685	271	915	499	1,685
	State & Private	318	1,520	1,218	7,500	5,754	16,470	1,363	3,485	37,628	1,955	19,362	16,311	37,628
	TOTAL	504	1,554	1,324	7,981	5,839	17,082	1,381	3,648	39,313	2,226	20,277	16,810	39,313

NORTH CENTRAL GROUP														
ILLINOIS	1948	Federal	1	2	3	25	2	9	--	--	42	4	21	17	42
		State & Private	--	8	47	48	127	7	--	67	304	7	77	220	304
		TOTAL	1	10	50	73	129	16	--	67	346	11	98	237	346
INDIANA	1948	Federal	--	--	--	1	--	--	--	1	2	--	1	1	2
		State & Private	--	96	7	135	173	17	5	85	518	88	231	199	518
		TOTAL	--	96	7	136	173	17	5	86	520	88	232	200	520
IOWA	1948	Federal	--	--	--	--	--	--	--	--	--	--	--	--	--
		State & Private	2	16	1	11	10	--	--	11	51	6	28	17	51
		TOTAL	2	16	1	11	10	--	--	11	51	6	28	17	51
MICHIGAN	1948	Federal	14	10	6	28	2	--	5	8	73	35	34	4	73
		State & Private	97	388	72	694	348	53	37	332	2,021	451	1,321	249	2,021
		TOTAL	111	398	78	722	350	53	42	340	2,094	486	1,355	253	2,094
MINNESOTA	1948	Federal	9	--	18	21	14	13	2	3	80	49	18	13	80
		State & Private	14	471	65	327	484	31	19	148	1,559	561	556	442	1,559
		TOTAL	23	471	65	348	498	44	21	151	1,639	610	574	455	1,639
MISSOURI	1948	Federal	1	1	9	67	--	136	4	80	298	48	187	63	298
		State & Private	3	26	68	194	786	1,283	15	84	2,429	161	1,213	1,055	2,429
		TOTAL	4	27	77	261	786	1,419	19	164	2,727	209	1,400	1,118	2,727
NORTH DAKOTA	1948	Federal	1	--	--	--	--	--	--	--	1	1	--	--	1
		State & Private	Data Incomplete												
		TOTAL	1	--	--	--	--	--	--	--	1	1	--	--	1
OHIO	1948	Federal	--	--	--	6	1	1	--	2	10	2	8	--	10
		State & Private	1	79	3	71	133	45	3	178	513	34	325	154	513
		TOTAL	1	79	3	77	134	46	3	180	523	36	333	154	523
WISCONSIN	1948	Federal	16	9	5	43	9	13	1	6	102	45	51	6	102
		State & Private	88	347	74	579	271	184	17	317	1,877	841	879	157	1,877
		TOTAL	104	356	79	622	280	197	18	323	1,979	886	930	163	1,979
GROUP TOTAL	1948	Federal	42	22	41	191	28	172	12	100	608	184	320	104	608
		State & Private	205	1,431	337	2,059	2,302	1,620	96	1,222	9,272	2,149	4,630	2,493	9,272
		TOTAL	247	1,453	378	2,250	2,330	1,792	108	1,322	9,880	2,333	4,950	2,597	9,880

AREAS BURNED AND DAMAGES BY FOREST FIRES IN THE UNITED STATES, BY TYPE CLASSES - CALENDAR YEAR 1948

PROTECTED AREAS ONLY - BY STATES AND GROUPS OF STATES

GROUP AND STATE	PERIOD and OWNERSHIP	TOTAL FOREST AREA NEEDING PROTECTION	FOREST AREA PROTECTED		PROTECTED AREA BURNED				DAMAGE ON PROTECTED AREA			
					Forest Land	Non-Forest Land	TOTAL	Average Area per Fire	Timber Resources	Non-Timber Resources	TOTAL	Average per Acre
		Acres	Acres	Percent	Acres	Acres	Acres	Acres	Dollars	Dollars	Dollars	Dollars
UNITED STATES (Exclusive of Alaska)	1948 Federal	217,728,246	217,724,246	100.0	117,545	194,628	312,175	46.7	424,819	2,208,534	2,633,155	8.43
	State & Private	438,993,917	339,462,924	77.5	1,678,079	285,566	1,961,644	32.1	4,167,556	1,969,232	6,136,888	3.12
	TOTAL	656,722,163	557,187,170	84.8	1,795,624	478,193	2,273,817	33.5	4,592,475	4,177,766	8,760,041	3.85
ALASKA	1948 Federal	165,827,666	30,367,655	18.3	26,174	7,557	33,731	295.9	Data Incomplete			
	Private	Data Incomplete										
	TOTAL	166,827,655	30,367,655	18.3	26,174	7,667	33,731	296.9	Data Incomplete			
ROCKY MOUNTAIN GROUP												
ARIZONA	1948 Federal	20,415,198	20,415,198	100.0	28,363	11,727	40,090	28.5	105,451	49,495	154,946	3.86
	State & Private	Data Incomplete										
	TOTAL	20,415,198	20,415,198	100.0	28,363	11,727	40,090	28.5	105,451	49,495	154,946	3.86
COLORADO	1948 Federal	17,584,912	17,584,912	100.0	1,574	107	1,781	8.1	1,640	3,621	5,261	2.95
	State & Private	7,475,348	5,623,708	88.5	2,239	2,523	4,762	19.4	17,750	12,424	30,174	6.34
	TOTAL	26,060,260	24,208,620	96.6	3,915	2,630	6,643	14.1	19,390	16,045	36,435	5.42
IDAHO	1948 Federal	22,821,110	22,821,110	100.0	2,577	36,840	39,517	109.2	9,015	90,449	99,464	2.52
	State & Private	7,122,000	5,170,461	72.6	1,528	32,402	35,730	158.8	1,860	103,914	105,774	3.14
	TOTAL	29,943,110	27,991,571	93.5	4,005	69,242	73,247	121.1	10,875	194,363	205,238	2.80
MONTANA	1948 Federal	17,857,822	17,857,822	100.0	2,431	1,420	5,851	23.6	7,765	521,877	529,643	137.53
	State & Private	5,162,000	5,162,000	100.0	100	155	255	2.0	495	1,537	2,032	7.97
	TOTAL	24,019,822	24,019,822	100.0	2,531	1,576	4,106	14.2	8,261	623,414	531,675	129.49
NEBRASKA	1948 Federal	227,339	227,339	100.0	--	1	1	.3	--	60	60	60.00
	State & Private	Data Incomplete										
	TOTAL	227,339	227,339	100.0	--	1	1	.3	--	60	60	60.00
NEVADA	1948 Federal	10,429,033	10,429,033	100.0	14,093	7,752	21,847	508.1	3,671	43,393	47,064	2.15
	State & Private	2,801,131	1,530,405	54.6	4,669	--	4,669	75.5	500	5,500	7,000	1.50
	TOTAL	13,230,164	11,959,438	90.4	18,764	7,752	26,615	255.0	4,171	49,893	54,064	2.04
NEW MEXICO	1948 Federal	15,659,540	15,659,540	100.0	3,101	224	3,525	7.4	33,041	2,750	35,791	10.76
	State & Private	3,977,000	1,055,865	26.5	166	50	216	4.6	188	86	274	1.27
	TOTAL	19,636,540	16,715,405	85.1	3,267	274	3,541	7.1	33,229	2,836	35,065	10.18
SOUTH DAKOTA	1948 Federal	1,422,644	1,422,644	100.0	612	9	621	8.6	3,836	7	3,842	6.19
	State & Private	500,000	500,000	100.0	258	63	321	4.5	916	5,041	5,957	18.56
	TOTAL	1,922,644	1,922,644	100.0	870	72	942	6.6	4,751	5,048	9,799	10.40
UTAH	1948 Federal	17,007,090	17,007,090	100.0	2,316	4,267	6,583	49.9	526	20,833	21,359	3.24
	State & Private	5,966,119	4,696,000	77.0	26,566	183	26,849	158.9	32,753	25,670	58,423	2.18
	TOTAL	22,973,209	21,603,090	94.0	28,982	4,450	33,432	111.1	33,279	46,503	79,782	2.39
WYOMING	1948 Federal	11,370,546	11,370,546	100.0	3,050	416	3,466	18.1	10,815	716,756	727,570	209.92
	State & Private	1,808,000	41,000	2.3	Data Incomplete							
	TOTAL	13,178,546	11,411,546	86.6	5,050	416	5,466	18.1	10,816	716,756	727,570	209.92
GROUP TOTAL	1948 Federal	134,795,234	134,795,234	100.0	58,319	62,755	121,082	39.6	175,760	1,449,240	1,625,000	13.42
	State & Private	35,811,598	25,579,439	71.7	35,426	55,376	70,802	73.6	54,462	155,172	209,634	2.96
	TOTAL	170,606,832	160,474,573	94.1	93,745	98,159	191,884	47.7	230,222	1,604,412	1,834,634	9.56

PACIFIC GROUP												
CALIFORNIA	1948 Federal	23,688,878	23,688,878	100.0	13,340	74,447	87,787	148.3	133,064	679,316	812,380	9.25
	State & Private	19,698,393	19,698,393	100.0	110,325	13,881	124,206	58.2	16,106	1,105,717	1,121,823	9.05
	TOTAL	43,387,273	43,387,273	100.0	123,665	88,328	211,993	77.8	149,170	1,785,033	1,934,203	9.12
HAWAII	1948 Federal	--	--	--	--	--	--	--	--	--	--	--
	State & Private	2,503,587	2,503,587	100.0	2	--	2	2.0	50	--	50	25.00
	TOTAL	2,503,587	2,503,587	100.0	2	--	2	2.0	50	--	50	25.00
OREGON	1948 Federal	20,729,911	20,729,911	100.0	648	296	944	2.0	7,262	1,050	8,312	8.81
	State & Private	12,446,036	12,446,036	100.0	1,692	1,345	3,037	6.0	43,774	25,481	69,255	22.80
	TOTAL	33,175,947	33,175,947	100.0	2,340	1,641	3,981	4.0	51,036	26,531	77,367	19.48
WASHINGTON	1948 Federal	12,709,129	12,709,129	100.0	94	42	136	.9	234	400	634	4.66
	State & Private	12,873,551	12,873,551	100.0	4,309	1,905	6,214	12.1	104,142	95,890	200,032	32.19
	TOTAL	25,582,680	25,582,680	100.0	4,403	1,947	6,350	9.6	104,376	96,290	200,666	31.60
GROUP TOTAL	1948 Federal	57,127,918	57,127,918	100.0	14,082	74,785	88,867	72.3	140,560	680,766	821,326	9.24
	State & Private	47,521,569	47,521,569	100.0	116,328	17,131	133,459	42.3	164,072	1,227,088	1,391,160	10.42
	TOTAL	104,649,487	104,649,487	100.0	130,410	91,916	222,326	50.8	304,632	1,907,854	2,212,486	9.95
EASTERN GROUP												
CONNECTICUT	1948 Federal	--	--	--	--	--	--	--	--	--	--	--
	State & Private	1,907,000	1,907,000	100.0	818	517	1,333	2.5	3,659	2,790	6,449	4.83
	TOTAL	1,907,000	1,907,000	100.0	818	517	1,335	2.5	3,659	2,790	6,449	4.83
DELAWARE	1948 Federal	685	685	100.0	--	--	--	--	--	--	--	--
	State & Private	440,000	440,000	100.0	332	--	332	3.7	2,516	205	2,721	8.20
	TOTAL	440,685	440,685	100.0	332	--	332	5.7	2,316	205	2,721	8.20
KENTUCKY	1948 Federal	545,012	545,012	100.0	1,386	578	2,154	37.3	1,864	534	2,398	1.11
	State & Private	11,258,000	3,714,419	33.0	25,749	--	25,749	32.8	40,622	--	40,622	1.58
	TOTAL	11,803,012	4,259,431	36.1	27,335	578	27,913	33.2	42,486	534	43,020	1.54
MAINE	1940 Federal	95,654	95,654	100.0	--	--	--	--	--	--	--	--
	State & Private	16,683,000	16,683,000	100.0	7,240	--	7,240	8.9	123,810	11,625	135,435	18.71
	TOTAL	16,778,654	16,778,654	100.0	7,240	--	7,240	8.9	123,810	11,625	135,433	18.71
MARYLAND	1948 Federal	1,134	1,134	100.0	--	--	--	--	--	--	--	--
	State & Private	2,685,000	2,685,000	100.0	787	85	872	3.1	4,530	319	4,849	5.56
	TOTAL	2,686,134	2,686,134	100.0	787	85	872	3.1	4,530	319	4,849	5.56
MASSACHUSETTS	1948 Federal	3,151	3,151	100.0	--	--	--	--	--	--	--	--
	State & Private	3,286,000	3,286,000	100.0	3,390	--	3,390	2.3	27,920	--	27,920	8.24
	TOTAL	3,289,151	3,289,131	100.0	3,390	--	3,390	2.3	27,920	--	27,920	8.24
NEW HAMPSHIRE	1948 Federal	669,799	669,799	100.0	1	--	1	.2	--	--	--	--
	State & Private	4,143,394	4,143,394	100.0	2,173	487	2,660	5.3	12,464	9,780	22,244	8.36
	TOTAL	4,813,193	4,813,193	100.0	2,174	487	2,661	3.3	12,464	9,780	22,244	8.36
NEW JERSEY	1948 Federal	844	844	100.0	--	--	--	--	--	--	--	--
	State & Private	2,294,000	2,294,000	100.0	6,717	557	7,274	8.0	61,930	4,940	66,870	9.19
	TOTAL	2,294,844	2,294,844	100.0	6,717	357	7,274	8.0	61,930	4,940	66,870	9.19
NEW YORK	1948 Federal	6,707	6,707	100.0	--	--	--	--	--	--	--	--
	State & Private	13,423,000	13,423,000	100.0	8,139	5,174	13,313	10.2	61,270	4,696	65,966	4.96
	TOTAL	13,429,707	13,429,707	100.0	8,139	3,174	13,313	10.2	61,270	4,696	63,966	4.96
PENNSYLVANIA	1948 Federal	475,719	475,719	100.0	198	--	198	18.0	664	167	831	4.20
	State & Private	14,644,000	14,644,000	100.0	11,357	1,149	12,706	13.1	36,558	4,745	41,303	3.23
	TOTAL	13,119,719	15,119,719	100.0	11,755	1,149	12,904	15.1	37,222	4,912	42,134	3.27
RHODE ISLAND	1948 Federal	--	--	--	--	--	--	--	--	--	--	--
	State & Private	452,000	452,000	100.0	535	441	976	4.7	3,661	940	4,601	4.71
	TOTAL	432,000	452,000	100.0	535	441	976	4.7	3,661	940	4,601	4.71
VERMONT	1948 Federal	208,057	208,057	100.0	--	--	--	--	--	--	--	--
	State & Private	3,657,862	3,637,862	100.0	347	418	765	3.4	2,277	4,640	6,917	9.04
	TOTAL	3,865,919	3,865,919	100.0	347	418	763	3.4	2,277	4,640	6,917	9.04

GROUP AND STATE	PERIOD and OWNERSHIP	TOTAL FOREST AREA NEEDING PROTECTION	FOREST AREA PROTECTED		PROTECTED AREA BURNED				DAMAGE ON PROTECTED AREA			
					Forest Land	Non-Forest Land	TOTAL	Average Area per Fire	Timber Resources	Non-Timber Resources	TOTAL	Average per Acre
		Acres	Acres	Percent	Acres	Acres	Acres	Acres	Dollars	Dollars	Dollars	Dollars
EASTERN GROUP (Continued)												
VIRGINIA	1948 Federal	1,658,887	1,658,887	100.0	400	2	402	18.3	107	1,233	1,340	3.33
	State & Private	13,036,000	13,036,000	100.0	3,784	999	7,785	7.7	22,830	8,746	31,576	4.06
	TOTAL	14,694,887	14,694,887	100.0	7,184	1,001	8,185	8.0	22,937	9,979	32,916	4.02
WEST VIRGINIA	1948 Federal	910,100	910,100	100.0	138	--	138	19.7	176	132	308	2.23
	State & Private	9,050,000	9,050,000	100.0	27,103	2,176	29,279	25.6	136,568	7,490	143,058	4.89
	TOTAL	9,960,100	9,960,100	100.0	27,241	2,176	29,417	25.6	135,744	7,622	143,366	4.87
GROUP TOTAL	1948 Federal	4,575,749	4,575,749	100.0	2,323	680	2,903	27.4	2,811	2,066	4,877	1.68
	State & Private	96,959,256	89,415,575	92.2	101,671	12,005	115,674	11.5	639,615	60,916	600,531	3.28
	TOTAL	101,553,005	93,991,424	92.6	103,994	12,583	116,577	11.4	542,426	62,982	605,408	5.19
SOUTHERN GROUP												
ALABAMA	1948 Federal	720,016	720,016	100.0	1,993	54	2,047	14.5	3,007	335	3,342	1.63
	State & Private	18,044,938	16,835,753	93.3	201,611	1,748	203,259	36.6	301,184	12,067	313,241	1.54
	TOTAL	18,764,954	17,555,771	93.6	203,604	1,802	203,306	36.0	504,191	12,392	316,583	1.54
ARKANSAS	1948 Federal	2,474,638	2,474,638	100.0	5,289	204	5,493	23.0	3,381	1,267	4,648	1.33
	State & Private	18,348,193	11,876,780	64.7	59,896	57	59,953	14.8	140,759	57	140,816	2.53
	TOTAL	20,822,831	14,361,418	68.9	63,185	261	65,446	13.1	144,140	1,324	145,464	2.29
FLORIDA	1948 Federal	1,318,320	1,318,320	100.0	3,170	234	3,404	29.6	3,039	1,396	4,436	1.30
	State & Private	21,353,117	7,729,915	36.9	106,496	1,149	107,645	29.2	84,866	3,808	88,664	.82
	TOTAL	22,671,437	9,048,235	39.6	109,666	1,383	111,049	29.2	87,893	5,204	93,099	.84
GEORGIA	1948 Federal	1,032,786	1,028,786	99.6	1,878	879	2,757	49.2	7,689	789	8,478	3.08
	State & Private	21,705,024	8,824,678	40.7	47,141	13,440	60,581	24.7	103,867	29,729	133,696	2.21
	TOTAL	22,737,810	9,853,464	43.3	49,019	14,319	65,338	23.3	111,556	30,518	142,074	2.24
LOUISIANA	1948 Federal	587,241	587,241	100.0	2,939	--	2,939	20.7	2,681	9	2,690	.92
	State & Private	14,053,000	7,753,405	55.2	141,970	--	141,970	28.4	203,074	--	203,074	1.44
	TOTAL	14,642,241	8,342,646	57.0	144,909	--	144,909	28.2	207,755	9	207,764	1.43
MISSISSIPPI	1948 Federal	1,156,105	1,156,105	100.0	7,898	1,523	9,221	22.7	17,384	6,155	22,479	2.44
	State & Private	16,449,000	8,461,390	51.4	101,740	28,459	130,199	24.7	261,855	28,409	290,264	2.23
	TOTAL	17,605,106	9,617,495	54.6	109,638	29,782	139,420	24.6	279,179	33,564	312,745	2.24
NORTH CAROLINA	1948 Federal	1,474,446	1,474,446	100.0	1,872	68	1,940	20.6	3,969	573	4,542	2.34
	State & Private	16,977,457	14,521,194	85.3	72,629	52,266	124,893	39.1	146,052	16,773	161,825	1.30
	TOTAL	18,461,903	15,995,640	86.7	74,501	52,334	126,835	37.4	160,021	16,346	166,367	1.31
OKLAHOMA	1948 Federal	401,608	401,608	100.0	2,317	1,339	3,656	42.4	3,237	2,862	6,099	1.67
	State & Private	9,799,177	2,196,780	22.4	34,745	40	34,785	47.7	129,011	735	129,747	3.73
	TOTAL	10,200,785	2,598,388	25.5	37,062	1,379	38,441	47.9	132,248	3,598	135,846	3.53
SOUTH CAROLINA	1948 Federal	628,555	628,555	100.0	881	1	882	18.8	216	628	844	.96
	State & Private	10,776,000	10,776,000	100.0	53,599	--	53,599	13.2	144,009	--	144,009	2.69
	TOTAL	11,404,555	11,404,555	100.0	54,480	1	54,481	13.3	144,225	628	144,853	2.66
TENNESSEE	1948 Federal	983,493	983,493	100.0	1,514	376	1,889	11.4	3,930	1,191	6,121	2.71
	State & Private	11,993,712	4,356,882	36.3	50,828	237	51,065	26.9	108,380	1,904	110,284	2.16
	TOTAL	12,977,205	5,340,375	41.2	52,342	612	52,954	25.7	112,310	3,095	116,405	2.18
TEXAS	1948 Federal	735,929	735,929	100.0	3,560	450	4,010	13.7	25,967	2,163	28,130	7.01
	State & Private	14,050,876	9,137,631	65.0	384,610	7,956	392,566	117.1	1,287,767	94,719	1,382,486	3.52
	TOTAL	14,786,805	9,873,560	66.8	388,170	8,406	396,576	108.8	1,313,734	96,882	1,410,616	3.56
GROUP TOTAL	1948 Federal	11,513,137	11,509,137	100.0	31,311	4,927	36,238	21.5	74,440	16,368	90,808	2.51
	State & Private	173,752,494	102,472,410	59.0	1,255,165	105,562	1,360,517	36.2	2,912,814	187,192	3,100,006	2.28
	TOTAL	186,265,631	113,981,547	61.5	1,286,476	110,279	1,396,755	36.5	2,987,254	203,560	3,190,814	2.28

NORTH CENTRAL GROUP												
ILLINOIS	1948 Federal	237,598	237,598	100.0	420	832	1,252	29.8	973	564	1,537	1.23
	State & Private	4,085,000	4,085,000	100.0	3,296	7,969	11,255	57.0	11,236	15,353	26,589	2.36
	TOTAL	4,322,598	4,322,598	100.0	3,716	8,791	12,507	56.1	12,209	16,917	28,126	2.25
INDIANA	1948 Federal	97,937	97,937	100.0	16	36	50	28.0	39	18	57	1.14
	State & Private	3,862,000	3,862,000	100.0	5,038	6,924	11,962	23.1	23,936	38,093	62,028	6.19
	TOTAL	3,959,937	3,959,937	100.0	5,055	6,959	12,012	23.1	23,974	38,111	62,085	5.17
IOWA	1948 Federal	4,749	4,749	100.0	—	—	—	—	—	—	--	--
	State & Private	2,256,000	2,256,000	100.0	576	97	672	13.2	1,151	193	1,344	2.00
	TOTAL	2,260,749	2,260,749	100.0	576	97	672	13.2	1,151	193	1,344	2.00
MICHIGAN	1948 Federal	2,568,477	2,568,477	100.0	2,070	8	2,078	28.5	14,618	208	14,826	7.13
	State & Private	17,808,000	17,808,000	100.0	10,868	6,125	15,993	7.9	62,046	51,599	103,644	6.48
	TOTAL	20,376,477	20,376,477	100.0	12,938	5,133	18,071	8.6	66,663	51,807	118,470	6.56
MINNESOTA	1948 Federal	3,444,246	3,444,246	100.0	3,175	48,340	51,516	643.9	7,629	49,461	56,990	1.11
	State & Private	19,665,000	19,665,000	100.0	47,212	66,858	113,070	72.5	109,716	116,961	226,676	2.00
	TOTAL	23,109,245	23,109,245	100.0	50,387	114,198	164,586	100.4	117,344	166,422	283,666	1.72
MISSOURI	1948 Federal	1,348,706	1,348,706	100.0	6,355	185	6,540	18.6	6,912	7,626	14,538	2.62
	State & Private	15,664,000	6,088,831	32.5	90,290	8,986	99,276	40.9	240,761	52,812	293,573	2.96
	TOTAL	17,012,706	6,437,536	37.8	96,645	9,171	104,816	38.4	247,673	60,438	308,111	2.94
NORTH DAKOTA	1948 Federal	41,559	41,559	100.0	--	1	1	1.0	—	—	—	--
	State & Private	Data Incomplete										
	TOTAL	41,659	41,559	100.0	—	1	1	1.0	—	--	--	—
OHIO	1948 Federal	93,132	93,132	100.0	20	6	26	2.6	--	—	--	—
	State & Private	6,494,000	3,494,000	100.0	1,820	5,295	7,115	13.9	5,045	11,234	16,279	2.29
	TOTAL	6,587,132	6,587,132	100.0	1,840	5,301	7,141	13.7	6,045	11,234	16,279	2.28
WISCONSIN	1948 Federal	1,879,806	1,879,806	100.0	455	2,166	2,621	25.7	1,177	2,017	3,194	1.22
	State & Private	16,115,000	16,115,000	100.0	10,390	15,459	25,849	12.7	42,805	52,619	95,424	4.00
	TOTAL	17,994,806	17,994,806	100.0	10,845	15,625	26,470	13.4	43,982	54,636	98,618	3.73
GROUP TOTAL	1948 Federal	9,716,208	9,716,208	100.0	11,510	51,573	63,083	103.8	31,248	59,894	91,142	1.44
	State & Private	84,949,000	74,373,831	87.6	169,489	113,703	283,192	30.5	486,693	338,864	825,557	2.92
	TOTAL	94,665,208	84,090,039	88.8	180,999	163,276	346,275	35.0	517,941	398,758	916,699	2.65

SUMMARY OF 1948 WEATHER AND FIRE SITUATIONS

Region 1 - Comprising Montana and northern Idaho.

Favorable spring season, precipitation above normal except in few isolated spots east of Continental Divide. Fire losses below five-year average. Fire season generally easiest on record. However, September and October dry and some difficulty experienced with hunter and brush burning fires.

Region 2 - Comprising Colorado, Kansas, Nebraska, South Dakota and Wyoming.

Hot weather and deficiency in precipitation in early spring caused hazardous situation during forepart of fire season. During late May through June and early July abundant precipitation greatly reduced danger. Extremely dry conditions in late summer and fall brought on the worst fire danger experienced at any time during past ten years. These conditions prevailed alike in Colorado, Wyoming and South Dakota.

Region 3 - Comprising Arizona and New Mexico.

Arizona season marked by extreme length, severity and high winds during spring months, May to July 15. Summer rains light. Fires continued through fall months to December 1. Many more hunters' fires than usual. Large fires caused heavy damages to timber and watersheds in late June and early July.

In New Mexico drouth conditions continued during 1948 season. Summer rains light except for Santa Fe and Carson areas. Smokejumpers held down losses on Gila National Forest. High winds above normal in May, June and early July created extreme hazards. Season extended long beyond normal through late summer and fall months to November 15.

Region 4 - Comprising Utah, Nevada, southern Idaho and western Wyoming.

June and early July conditions throughout Utah, Idaho and Nevada favorable with considerable spring storms except for isolated areas. Late July, August and most of September extremely dry. Utah and Nevada recorded the 5th driest July since Weather Bureau records kept. Southern Idaho experienced extremely hot, dry and windy conditions throughout August and up to mid-September. Rainfall less than half normal during September in Utah. During latter part of August and up to mid-September States got extra period brush fires that gave much trouble resulting in larger suppression job than had experienced for years, particularly in Utah, where burned area about doubled previous year.

Region 5 - Comprising California.

Early months unusually dry, followed by favorable fire season from March through August with less than average fire load. Extremely dangerous fire weather developed in September resulting in sharply increased fire load

and several major fires in southern part of State. Critical period extended through November becoming extremely critical and resulting in one 45,000 acre fire.

Region 6 - Comprising Oregon and Washington.

Season most unusual. 1948 will be remembered as year of the "big flood" and "year without a summer." Spring fire season very favorable. Precipitation far above normal. Early season fire losses below average. Short period of critical fire weather in June. Remainder of summer unusually cool and damp. Critical fire weather first three weeks in September. Heavy rains ended fire season latter part of September. Number of fires and acreage burned on S&P lands lowest on record for Oregon. Number of fires on S&P lands lowest for Washington and acreage burned second lowest on record. Acreage burned on National Forest lands lowest on record and number of fires lowest since 1912.

Region 7 - Comprising Connecticut, Delaware, Kentucky, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, Virginia and West Virginia.

1948 fire season favorable as any on record. Well distributed rainfall during spring months kept losses to minimum. Rainfall became subnormal about August 1 in New England and drouth approached that of 1947 except that vegetation still green. Serious late fall fires in Kentucky and West Virginia. Governor closed New Hampshire woods September 15 - October 9. Brief September closures also made in Rhode Island and Massachusetts.

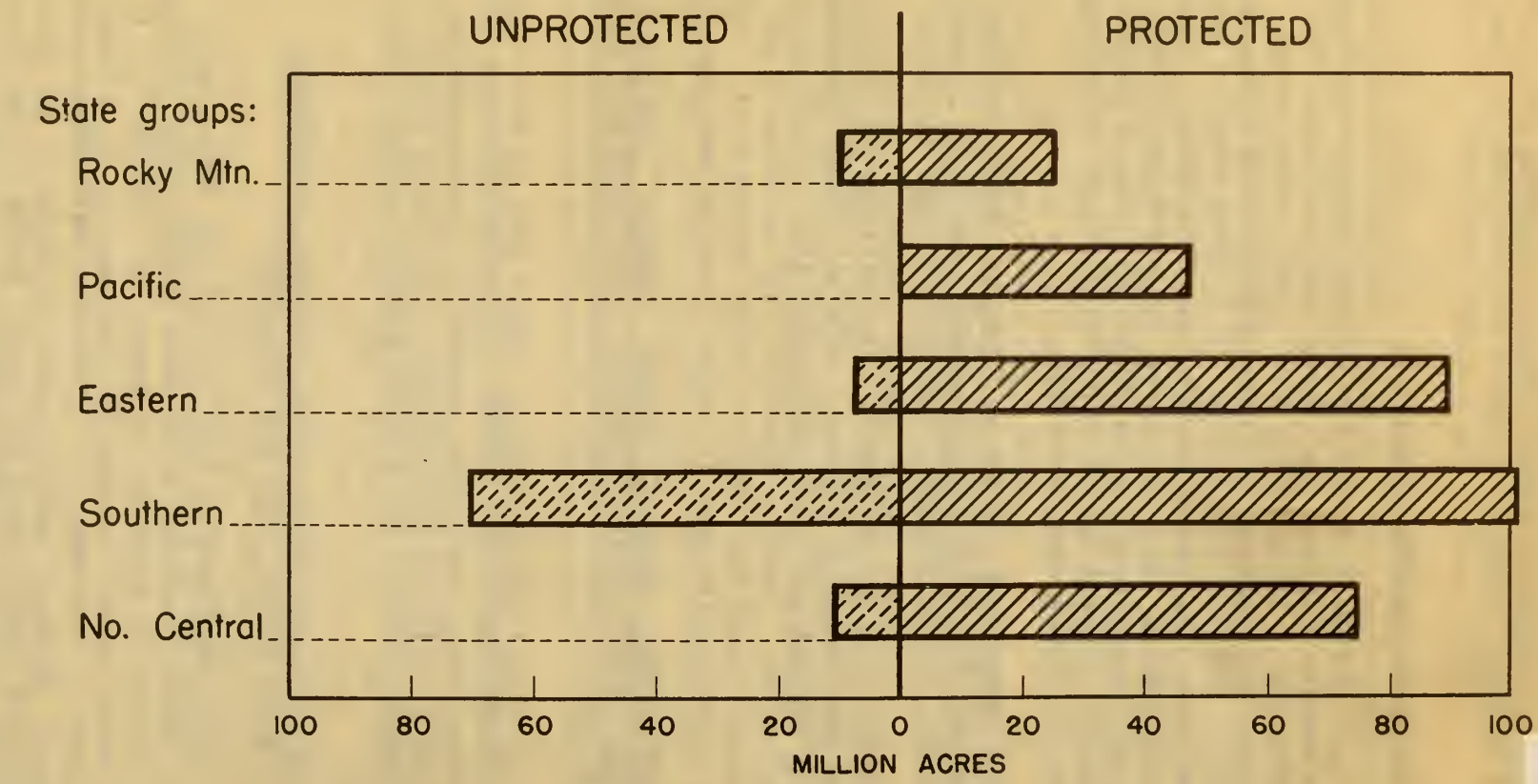
Region 8 - Comprising Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee and Texas.

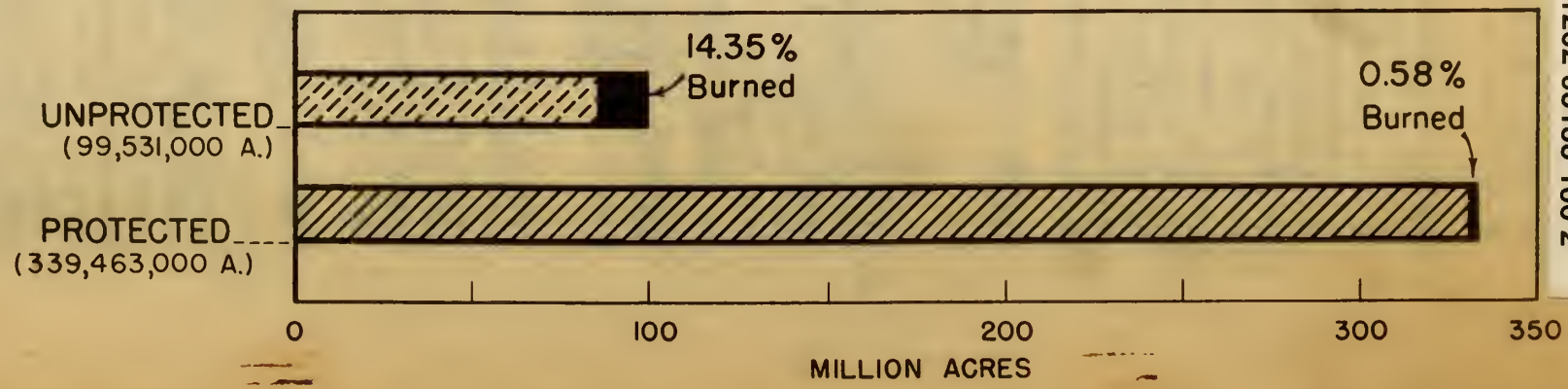
Generally fire weather conditions favorable. States west of Mississippi River suffered late summer-early fall drouth. Louisiana and Texas losses above average. Similar drouth conditions occurred in North Carolina peat areas. Suppression difficult and expensive. Elsewhere rainfall normal or above. Alabama, Georgia and Florida enjoyed excessive well distributed rainfall.

Region 9 - Comprising Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, North Dakota, Ohio and Wisconsin.

Extreme fire hazard throughout much of 1948 in the Lake States with drouth and low water levels resulting in stubborn ground fires. Governor's proclamation closed forests in Michigan, September 30 - October 11; in Minnesota (hunting season closed) October 28 - November 4; in Wisconsin June 17 - 28 and August 27 - November 12. Minnesota and Wisconsin losses exceed 5-year averages. Missouri reports worst conditions in 10 years, plus extreme incendiarism during spring and losses double 5-year average. Central States normal spring and fall with record low losses in Ohio.

STATUS OF STATE AND PRIVATE FOREST PROTECTION, C. Y. 1948





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